Dec 83

Ontario College of Pharmacy.

CHEMISTRY.

Examiner.—W. E. SAUNDERS.

TIME, TWO HOURS.

1. What is atomic weight? Give a general rule for finding the molecular weight and density from the atomic weight. Name three exceptions to this rule. Name the element whose atomic weight is taken as unity.

2. Define *Combustion*, *Binary Compound*, *Pentad*, *Isomeric*, *Isomorphous*, *Quantivalence*.

3. Give the chemical formula of *Hydrochlorate of Morphia*, *Iodoform*, *Glycerine*, *Alcohol*, *Red Iodide of Mercury*.

4. Explain, by chemical equations, the reactions that take place in the manufacture of *Tincture of Chloride of Iron*, *Lime Water*, and *Black Wash*.

5. How would you detect *Chlorides* in *Nitrate of Potassium*, *Sulphates* in *Tartaric Acid*, *Ferric Oxide* in *Ferrous Sulphate*.

6–10.—Oral Examination.